

ABSTRACT OF THE DISCLOSURE

An object of the present invention is to provide a technique by which machines can determine whether printed material is an original or a copy. A technique for outputting printed material which has an effect similar to that of security paper using normal paper instead of specially printed paper such as the security paper is provided. An image-processing apparatus generates a new image by expressing a latent image area with dots of a first dot size and a background area with dots of a second dot size which is different from the first dot size, and generates another image by moving each of the dots included in the latent image area in accordance with a bit value at the corresponding bit position in additional information.